



DEPARTMENT OF THE NAVY  
BUREAU OF MEDICINE AND SURGERY  
WASHINGTON 25, D. C.

IN REPLY REFER TO

BUMED 74:PFD:dfp  
M8-2/NRDL  
Serial: 5076  
11 April 1958

U. S. Atomic Energy Commission  
Isotopes Branch  
Division of Licensing and Regulation  
Washington 25, D.C.

Gentlemen:

The Commanding Officer and Director, U.S. Naval Radiological Defense Laboratory has submitted the enclosed application for a byproduct material license. It is proposed to utilize the radioisotopes  $K^{42}$ ,  $Br^{82}$  and  $E^3$  in the determination of total exchangeable potassium, total exchangeable chloride and total body water content of healthy adult males and females. On 3 April 1958, the Secretary of the Navy approved the above proposal utilizing human volunteers.

It is recommended that the enclosed application be approved.

Sincerely yours,

(b) (6)  
Director, Special Weapons  
Defense Division

Enclosures:

1. AEC Form 313 - Original and two(2) copies
2. AEC Form 313a - Original and two (2) copies

Copy to:  
Chief, BUSHIPS  
CO & DIR. NRDL  
BUMED 744C

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